

Converting Colors

XYZ(12.2037, 12.2995, 10.0766)

Have a look what the booklet for
XYZ(12.2037, 12.2995, 10.0766)
contains.

XYZ(12.2135, 12.3208, 10.1219)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.2135, 12.3208,
10.1219)**

Conversions

Conversions Part 1

Format	Color
Hex	6E6054
RGB	110, 96, 84
RGB Percent	43%, 38%, 33%
CMY	0.5686, 0.6235, 0.6706
CMYK	0.00, 0.13, 0.24, 0.57
HSL	28°, 13%, 38%
HSV	28°, 24%, 43%
XYZ	12.2135, 12.3208, 10.1219
YIQ	98.8180, 12.1960, -0.7640

Conversions

Conversions Part 2

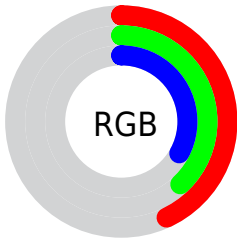
Format	Color
R_{YB}	110, 106, 84
Decimal	7233620
CIE _{Lab}	41.72, 3.51, 8.92
CIE _{LCh}	42, 9.586, 68.508
Yxy	12.3208, 0.3524, 0.3555
Android (android.graphics.Color)	4285423700 (0xFF6E6054)
YUV	98.8180, -7.3053, 9.8066
Hunter-Lab	35.1010, 0.6829, 7.4735

Details

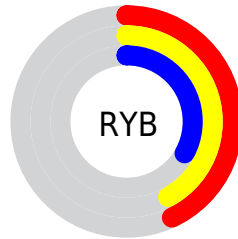
The XYZ color **12.2135, 12.3208, 10.1219** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **10.8382, 11.7457, 16.4479**, and the grayscale version is **11.8298, 12.4459, 13.5536**.

A 20% lighter version of the original color is **29.4823, 29.9604, 26.7833**, and **3.4934, 3.4518, 2.4016** is the 20% darker color. If you saturate the color by 10%, you get **11.2960, 11.1220, 7.8548**, and if you desaturate by 10%, it is **13.2400, 13.6292, 12.7595**.

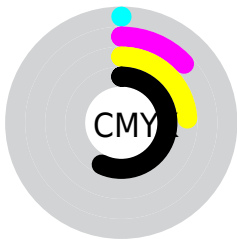
Distribution



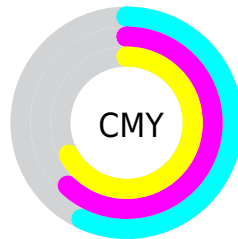
- Red (43%)
- Green (38%)
- Blue (33%)



- Red (43%)
- Yellow (42%)
- Blue (33%)



- Cyan (0%)
- Magenta (13%)
- Yellow (24%)
- Black (57%)



- Cyan (57%)
- Magenta (62%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2135, 12.3208, 10.1219 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 12.2135, 12.3208, 10.1219 by changing the saturation by 10% instead.

■ 12.2135, 12.3208,
10.1219

■ 12.2135, 12.3208,
10.1219

199.5548,
206.5177, 202.0562

■ 6.9625, 6.9626,
5.3732

■ 29.4969, 30.0780,
26.6359

■ 3.4848, 3.4387,
2.4053

■ 42.2599, 43.2458,
39.2383

■ 1.4150, 1.3648,
0.7893

■ 58.2577, 59.7856,
55.2957

■ 0.2669, 0.1906,
0.0000

■ 77.8555, 80.0817,
75.2266

■ 0.0000, 0.0000,
0.0000

■ 101.4188,
104.5186, 99.4496

129.3129,

133.4806, 128.3831

161.9031,
167.3521, 162.4458

■ 12.2135, 12.3208,
10.1219

■ 12.2135, 12.3208,
10.1219

■ 11.2960, 11.1220,
7.8548

■ 13.2400, 13.6292,
12.7595

■ 10.4826, 10.0281,
5.9406

■ 14.3785, 15.0485,
15.7827

■ 9.7692, 9.0364,
4.3613

■ 15.6327, 16.5820,
19.2066

■ 9.1512, 8.1437,
3.0971

■ 17.0062, 18.2324,
23.0452

■ 8.6234, 7.3461,
2.1259

■ 18.5022, 20.0022,
27.3120

■ 8.1802, 6.6398,
1.4228

■ 20.1240, 21.8939,
32.0198

■ 7.8136, 6.0199,
0.9512

■ 21.8744, 23.9100,
37.1808

■ 7.6046, 5.6634,
0.6923

■ 23.7566, 26.0528,
42.8068

■ 25.7731, 28.3246,
48.9091

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



12.8020, 12.3208, 11.1435



12.2135, 12.3208, 10.1219



11.5114, 12.3208, 9.9350

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



12.2135, 12.3208, 10.1219



10.4222, 12.3208, 13.9970



12.5737, 12.3208, 16.6831

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



12.2135, 12.3208, 10.1219



10.8382, 11.7457, 16.4479

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



11.9119, 12.3208, 17.6259



12.2135, 12.3208, 10.1219



10.6830, 12.3208, 15.9765

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



12.2135, 12.3208, 10.1219



10.4957, 12.3208, 12.0445



11.2216, 12.3208, 17.3552



13.0157, 12.3208, 14.8862

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



12.2135, 12.3208, 10.1219



11.0763, 12.3208, 10.2890



11.2216, 12.3208, 17.3552



12.3685, 12.3208, 17.1182

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



12.2138, 12.3214, 10.1222



24.5185, 25.5204, 25.7530



11.8196, 10.5433, 13.0419



5.6890, 5.9181, 5.9486



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



12.2138, 12.3214, 10.1222



20.6027, 20.5387, 15.6621



13.4674, 14.8286, 10.5400



3.4996, 3.6317, 3.5899



9.1066, 6.7458, 0.8221



44.5192, 31.9137, 3.8135

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



10.8382, 11.7457, 16.4479



17.7659, 19.3511, 28.7060



9.7429, 9.5551, 16.0828



3.3524, 3.5701, 4.2666



5.2442, 5.0787, 18.4255



25.2531, 23.5580, 91.4953

Previews

White Background



This preview shows how the XYZ color 12.2135, 12.3208, 10.1219 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 12.2135, 12.3208, 10.1219 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.2135, 12.3208, 10.1219

Background



This preview shows how black text looks on a background with the XYZ color 12.2135, 12.3208, 10.1219.



This preview shows how white text looks on a background with the XYZ color 12.2135, 12.3208,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

12.2135, 12.3208, 10.1219

Protanopia

11.6009, 12.2748, 10.3522

Deuteranopia

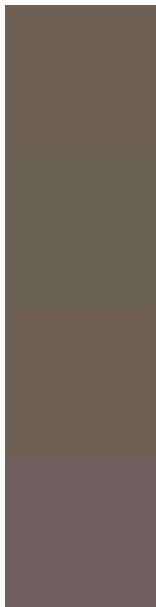
12.5025, 12.3352, 10.1095



Tritanopia

13.0338, 12.3897, 14.0164

Trichromacy



Original Color

12.2135, 12.3208, 10.1219

Protanomaly

11.8582, 12.2694, 10.3376

Deuteranomaly

12.3745, 12.2693, 10.1035

Tritanomaly

12.7133, 12.3901, 12.5479

Monochromacy



Original Color

12.2135, 12.3208, 10.1219

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

11.9816, 12.4271, 12.3568

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2135, 12.3208, 10.1219 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(110, 96, 84)` looks like.

```
.text, #text, p{  
    color:rgb(110, 96, 84)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(110, 96, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 96, 84) }
```

Border

The CSS property to change the border of an element to XYZ 12.2135, 12.3208, 10.1219 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(110, 96, 84) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(110, 96, 84) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(110, 96, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 96, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 96, 84);  
box-shadow:4px 4px 4px 4px rgb(110, 96,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2135, 12.3208, 10.1219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 96, 84) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(110, 96,  
84) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor